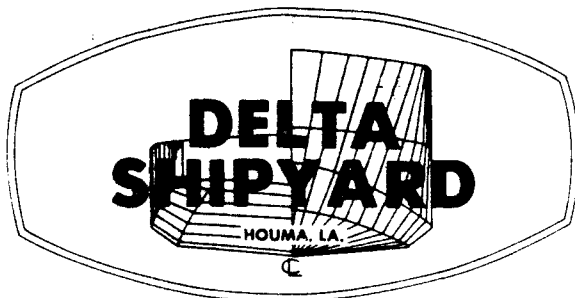


FILE



DELTA SHIPYARD

A DIVISION OF DELTA SERVICES INDUSTRIES

POST OFFICE BOX 101

HOUMA, LOUISIANA 70361

PLANT AND OFFICE: INDUSTRIAL BOULEVARD

PHONE 504/868-7450

December 21, 1983

State of Louisiana
Dept. of Natural Resources
Hazardous Waste Management Division
Post Office Box 44066
Baton Rouge, Louisiana 70804-4066

Attention: Mr. Dudley Deville

Subject: Closure of pit

Dear Sir:

Enclosed please find the EP toxicity analysis made by Professional Services Industries, Inc. on samples taken from a pit associated with our barge cleaning facility.

This pit has been in service about six years and was used as a secondary oil/water separator, i.e. to separate out the oil, etc., that got past the primary separator. See sketch of pit enclosed.

On October 14, 1983 I had Horace Thibodaux of T. Baker Smith & Son (Environmental Research Dept.) come over and take samples—which he sent to Professional Services for analysis.

I need the pit area for other use so after the samples were taken I took advantage of the dry weather and mixed some dry topsoil in the pit to get the contents from a liquid state to a solid state.

A steel tank has been put in service to replace the pit. We felt that the pit was becoming an albatross around our neck when considering the associated expense and management time.

I am anxious to put this matter to bed and would appreciate your efforts to this end. Please call if you need additional information.

Sincerely,

Ralph A. Arceneaux
President

SUPERFUND
FILE

APR 30 1992
enclosure
REORGANIZED

9418108



RECEIVED

DEC 22 1983

Department of Natural Resources
1200 Northshore Boulevard
Baton Rouge, Louisiana 70802



Professional Service Industries, Inc.
Shilstone Engineering Testing Laboratory Division

SC'D

TESTED FOR: T. Baker Smith & Son
Environmental Reasearch
P. O. Box 2266-550
S. Van
Houma, LA 70361

PROJECT: Delta Shipyard - Sludge

DATE:

Attention: Mr. Horace Thibodaux
December 15, 1983

OUR REPORT NO.: 253-33332-1

REMARKS:

DATE RECEIVED:

November 29, 1983.

SAMPLE DESCRIPTION OR IDENTIFICATION:

Samples were collected by Horace J. Thibodaux on October 14, 1983 at 1:45 p.m. for Delta Shipyard Inc., Houma, LA. Samples are identified as follows:
1) Pit North, 2) Pit South.

ANALYSIS REQUIRED:

Corrosivity (pH and corrosive rate), complete EP toxicity (metals, herbicides, pesticides), ignitability, and reactivity (cyanide and sulfide).

METHODOLOGY EMPLOYED:

As per Federal Register Volume 45 No. 98. Monday, May 19, 1983.

RESULTS:

Please see following pages.

/amc

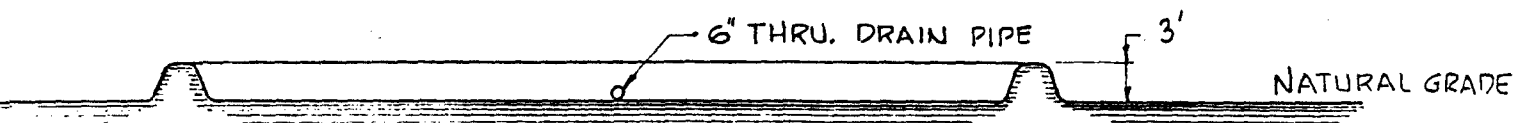
RECEIVED

DEC 22 1983

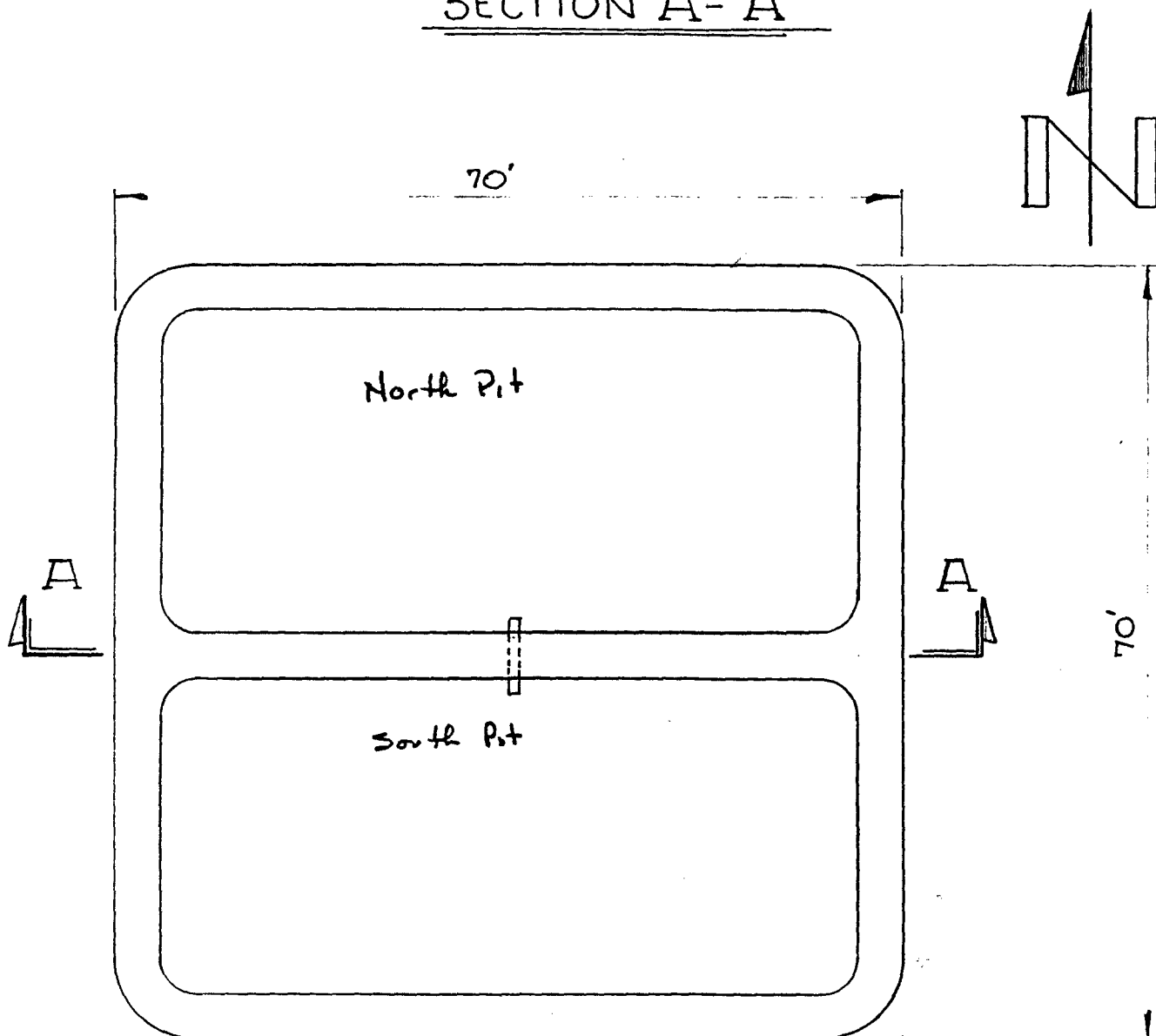
Department of Natural Resources
Hazardous Waste Management Unit

\$ 2850.00
lab cost

Mr. Dudley Deville
Dec. 21, 1983



SECTION A-A



PLAN

DELTA SHIPYARD
BARGE CLEANING PLANT
PIT DIMENSIONS

EP Toxicity Analysis

<u>EPA Hazardous Waste Number</u>	<u>Parameter</u>	<u>Pit North</u>	<u>Pit South</u>	<u>Detection Limits</u>	<u>Maximum Allowed</u>
D004	Arsenic, ppm (mg/L)	BDL	BDL	0.002	5.0
D005	Barium, ppm (mg/L)	1.0	1.2	0.1	100.0
D006	Cadmium, ppm (mg/L)	0.01	BDL	0.01	1.0
D007	Chromium, ppm (mg/L)	0.04	0.02	0.01	5.0
D008	Lead, ppm (mg/L)	BDL	BDL	0.1	5.0
D009	Mercury, ppm (mg/L)	BDL	BDL	0.0004	0.2
D010	Selenium, ppm (mg/L)	BDL	BDL	0.002	1.0
D011	Silver, ppm (mg/L)	BDL	BDL	0.01	5.0
D012	Endrin, ppm (mg/L)	BDL	BDL	0.01	0.02
D013	Lindane, ppm (mg/L)	BDL	BDL	0.02	0.4
D014	Methoxychlor, ppm (mg/L)	BDL	BDL	0.1	10.0
D015	Toxaphene, ppm (mg/L)	BDL	BDL	0.1	0.5
D016	2,4 -D, ppm (mg/L)	BDL	BDL	0.02	10.0
D017	2,4,5-TP, ppm (mg/L)	BDL	BDL	0.002	1.0

Note: BDL = Below Detection Limits

Ignitability Analysis

	<u>Pit North</u>	<u>Pit South</u>	<u>Waste Declared Ignitable if</u>
Flashpoint, °F	*Does not flash at 104	*Does not flash at 122	Less than 140

* Due to trapped water vapor being expelled throughout the heating process, a flash-point measurement was not possible.

Corrosivity Analysis

	<u>Pit North</u>	<u>Pit South</u>	<u>Waste Declared Corrosive</u>
pH at 25°C, standard units	5.76	6.42	Less than 2.6 or greater than 12.5
Corrosive rate of steel, mm/yr.	0.15	0.64	Greater than 6.35

Reactivity Analysis

	<u>Pit North</u>	<u>Pit South</u>	<u>Detection Limits</u>
Cyanide as Cn, ppm (mg/Kg)	BDL	BDL	40
Sulfide as H ₂ S, ppm (mg/Kg)	150	140	40

Note: BDL = Below Detection Limits.

/amc

RECEIVED

DEC 22 1983

Department of Natural Resources
Hazardous Waste Management

SHILSTONE ENGINEERING TESTING LABORATORY, INC.

T. Baker Smith & Son
253-33332-1

QUALITY ASSURANCE REPORT

[illegible]